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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/601,982	06/20/2003	Jeffrey S. Lille	SA9-99-091US2 , 38.02D	9104
24033	7590	07/22/2005	EXAMINER	
KONRAD RAYNES & VICTOR, LLP 315 S. BEVERLY DRIVE # 210 BEVERLY HILLS, CA 90212			KIM, PAUL D	
			ART UNIT	PAPER NUMBER
			3729	

DATE MAILED: 07/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/601,982	LILLE, JEFFREY S.
Examiner	Art Unit	
Paul D. Kim	3729	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 12 May 2005.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-15 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1, 2, 4-6 and 8 is/are rejected.
 7) Claim(s) 3,7 and 9-15 is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date _____.

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) Notice of Informal Patent Application (PTO-152)
 6) Other: _____.

DETAILED ACTION

This office action is a response to the amendment filed on 5/12/2005.

Examiner's Comment

1. Upon further consideration, examiner hereby withdraws the last office action mailed on 3/10/2005. In view of found prior art, the Ex Parte Quayle mailed on 3/10/2005 is hereby withdrawn.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 2, 4-6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ananth et al. (US PAT. 5,708,540) in view of Carr et al. (US PAT. 5,761,790).

Ananth et al. teach a process of making a slider comprising steps of: providing a ceramic slider body (SL-I); forming at least one trench in a surface of the slider (as shown in Fig. 4'); and forming a carbide structure (B, as per claim 2) in the at least one trench as shown in Fig. 4' (see also col. 9, line 31 to col. 10, line 43). Ananth et al. also teach that a layer (epoxy) is provided between the slider and the carbide structure in order to provide an adhesion (as per claims 6 and 8).

Even though the slider of Ananth et al. is made of the ceramic, it is well known in the art to use silicon material for the manufacturing the slider. In addition, Carr et al. teach a process of making a slider having at least one trench by etching (as per claim 5) with a silicon material in order to protect weariness as shown in Fig. 6 (also see col. 2, lines 59-62 and col. 6, lines 24-51). Therefore, it would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify a process of fabricating a slider made of ceramic of Ananth et al. by a slider with a silicon material as taught by Carr et al. in order to protect weariness.

As per claim 4 Carr et al. also teach that a protective film (606) as shown in Fig. 6 in order to protect the slider.

Allowable Subject Matter

4. Claims 3, 7 and 9-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is a statement of reasons for the indication of allowable subject matter: The prior art of record fails to disclose the claimed invention such as the structure formed in the trench of the slider is nitride structure as per claim 15. Also, the prior art of record fails to disclose a read element and a write element formed after the structure formed in the trench of the slider as per claim 3. In addition, the prior art of record fails to disclose the trench of the slider is filled with a metal carbide and anhydrous metal chloride material follow by heating the slider for melting the metal

carbide and anhydrous metal chloride material as per claim 9. It is not obvious taken alone or in combination of other references fairly to suggest the claimed invention.

Response to Amendment

6. The claims 1-15 have been considered but are moot in view of the new ground of rejection.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul D. Kim whose telephone number is 571-272-4565. The examiner can normally be reached on Monday-Friday between 7:00 AM to 3:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Paul D Kim
Examiner
Art Unit 3729